

# Resource Summary Report

Generated by [Kravitz](#) on Sep 15, 2026

## CoRAL - Classification of RNAs by Analysis of Length

RRID:SCR\_010828

Type: Tool

### Proper Citation

CoRAL - Classification of RNAs by Analysis of Length (RRID:SCR\_010828)

### Resource Information

**URL:** <http://wanglab.pcbi.upenn.edu/coral/>

**Proper Citation:** CoRAL - Classification of RNAs by Analysis of Length (RRID:SCR\_010828)

**Description:** A machine learning software package that can predict the precursor class of small RNAs present in a high-throughput RNA-sequencing dataset. In addition to classification, it also produces information about the features that are most important for discriminating different populations of small non-coding RNAs.

**Abbreviations:** CoRAL

**Synonyms:** Classification of RNAs by Analysis of Length

**Resource Type:** software resource

**Defining Citation:** [PMID:23700308](#)

**Availability:** Acknowledgement requested

**Resource Name:** CoRAL - Classification of RNAs by Analysis of Length

**Resource ID:** SCR\_010828

**Alternate IDs:** OMICS\_00372

**Record Creation Time:** 20220129T080301+0000

**Record Last Update:** 20260912T195724+0000

### Ratings and Alerts

No rating or validation information has been found for CoRAL - Classification of RNAs by Analysis of Length.

No alerts have been found for CoRAL - Classification of RNAs by Analysis of Length.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [Kravitz](#) .

Smith GA, et al. (2026) Murine osteosarcoma recapitulates the driver landscape and genomic complexity of osteosarcoma evolution in humans. bioRxiv : the preprint server for biology.

Zhang J, et al. (2026) Androgen activity in the male embryonic hindbrain drives lethal PFA endependymoma. Nature, 652(8110), 763.

Kraft K, et al. (2025) Enhancer activation from transposable elements in extrachromosomal DNA. Nature cell biology, 27(11), 1914.

Chowdhury B, et al. (2025) Reconstructing the three-dimensional architecture of extrachromosomal DNA with ec3D. Nature communications, 17(1), 894.

Zhu K, et al. (2024) CoRAL accurately resolves extrachromosomal DNA genome structures with long-read sequencing. Genome research, 34(9), 1344.

Jessa S, et al. (2024) FOXR2 targets LHX6+/DLX+ neural lineages to drive CNS neuroblastoma. Cancer research.

Zhu K, et al. (2024) CoRAL accurately resolves extrachromosomal DNA genome structures with long-read sequencing. bioRxiv : the preprint server for biology.

Loganathan T, et al. (2023) Non-coding RNAs in human health and disease: potential function as biomarkers and therapeutic targets. Functional & integrative genomics, 23(1), 33.

Han Y, et al. (2016) Integrating Epigenomics into the Understanding of Biomedical Insight. Bioinformatics and biology insights, 10, 267.

Ryvkin P, et al. (2014) Using machine learning and high-throughput RNA sequencing to classify the precursors of small non-coding RNAs. Methods (San Diego, Calif.), 67(1), 28.

Leung YY, et al. (2013) CoRAL: predicting non-coding RNAs from small RNA-sequencing data. Nucleic acids research, 41(14), e137.